

PATENT ABSTRACTS OF JAPAN

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(54) WRIST DEVICE FOR INDUSTRIAL ROBOT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a wrist structure for an industrial robot that can provide a free robot action by excluding the risk of interference of wiring and piping laid to a tool attached to a wrist with a work object such as a mating part and a jig, and can dispense with wiring and piping for the tool in a limited job site where the robot is installed.

SOLUTION: The wrist, which can house wiring and piping connected to a tool 50 attached to a tool flange 25 at the wrist tip, in an internal hollow space, has the tool flange 25 standardized for connection to the tool 50. The tool flange 25 has, in a parallel relation to the axis of rotation thereof, a circumferential arrangement of a plurality of axially outgoing connectors and connection openings 32 for wiring and piping for the tool.

